

IN THE CLAIMS

1. (currently amended) A breathing assistance device for a patient, comprising:

a console including a central control unit for operating the device;

a source of respiratory pressurized gas;

a breathing connection for allowing the patient to receive said pressurized gas; and

at least one sensor for acquiring a parameter representative of the operation of the device;

wherein said gas source is a ventilator, and said ventilator is integrated into a removable module removably connectable to the console, wherein the removable module ~~which~~ ~~also~~ comprises said at least one sensor for acquiring a parameter representative of the operation of the device.

2. (previously presented) The device of claim 1, wherein said removable module comprises a pressure sensor of respiratory gas and a flow sensor.

3. (currently amended) The device of claim 1 or claim 2, wherein said removable module is fixed on the console ~~device~~ by a removable connection such that disassembly of the module is easy.

4. (previously presented) The device of claim 3, wherein said removable connection comprises a thread pitch.

5. (previously presented) The device of claim 3, wherein said removable connection comprises means for clipping the removable module.

6. (previously presented) The device of claim 1, wherein said breathing connection is in the form of a mask.

7. (previously presented) The device of claim 6, wherein said mask is a mask not having means allowing leaks.

8. (cancelled)

9. (currently amended) The device of claim 18, wherein ~~an ensemble formed by the breathing connection and the~~ removable module is linked to the a central control unit of the console of ~~the device with a link.~~

10. (currently amended) The device of claim 9, wherein said link allows data to be transmitted between said removable module ~~ensemble and said central control unit~~ console.

11. (cancelled)

12. (currently amended) The device of claim 10, wherein said link helps to convey energy required to operate components of the removable module from said console ~~to said ensemble.~~

13. (previously presented) The device of claim 12, wherein said link is a wired link.

14. (previously presented) The device of claim 1, wherein the ventilator is an axial ventilator.

15. (previously presented) The device of claim 14, wherein a rotor of the axial ventilator comprises a single stage.

16. (previously presented) The device of claim 15, wherein in the ventilator the respective directions of the input and output of respiratory gas are substantially parallel.

17. (previously presented) The device of claim 14, wherein the ventilator comprises:

a central input substantially aligned with an axis of rotation of a rotor of the ventilator,
an outlet allowing flux generated by said rotor to be collected according to an oblique direction relative to said axis of rotation, and
means for rectifying said flux that is generated and collected, so that the generated and collected flux flows out of the ventilator in a general direction substantially parallel to said axis of rotation of the rotor of the ventilator.

18. (previously presented) The device of claim 1, wherein the device is a BPAP device.

19. (previously presented) The device of claim 1, wherein the device is a CPAP device.